Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S60	5	"715"/$.ccls. and ((web-safe or "web safe" or websafe))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:51
S57	1	715/810.ccls. and ((web-safe or "web safe" or websafe))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:51
S59	7	"345"/$.ccls. and ((web-safe or "web safe" or websafe))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:50
S58	0	715/835.ccls. and ((web-safe or "web safe" or websafe))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:50
S38	1	715/810.ccls. and ((color adj palette) and (web-safe or "web safe" or websafe))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:50
S56	9	434/98.ccls. and "color palette"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:49
S55	0	434/98.ccls. and ((color adj palette) and (web-safe or "web safe" or websafe))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:49
S54	189	434/98.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:49
S53	14	715/835.ccls. and "color palette"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:49
S51	0	715/835.ccls. and ((color adj palette) and (web-safe or "web safe" or websafe))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:49
S47	46	345/601.ccls. and "color palette"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:49
S52	0	715/835.ccls. and ((color adj palette) same (web-safe or "web safe" or websafe))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:47

S50	0	715/835.ccls. and ((color adj palette) same achromatic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:47
S49	435	382/168.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:47
S48	647	715/835.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:47
S41	1	715/810.ccls. and ((color adj palette) same achromatic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:47
S39	1	715/810.ccls. and ((color adj palette) same (web-safe or "web safe" or websafe))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:47
S46	15	345/594.ccls. and "color palette"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:02
S45	49	345/593.ccls. and "color palette"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:02
S44	4	715/763.ccls. and (color adj palette)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:02
S43	36	("345"/$.ccls. or "715"/$.ccls. or "382"/$.ccls. or "434"/$.ccls.) and "color guide"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:02
S42	62	("345"/$.ccls. or "715"/$.ccls. or "382"/$.ccls. or "434"/$.ccls.) and "color picker" or "color chooser"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:02
S36	268	715/763.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 14:19
S23	39	345/601.ccls. and "color palette"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 14:19

S22	43	345/593.ccls. and "color palette"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 14:19
S21	4	345/763.ccls. and (color adj palette)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 14:19
S40	1	715/810.ccls. and ((color adj palette) and achromatic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 14:18
S37	863	715/810.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 14:18
S19	42	"345"/$.ccls. and "color picker" or "color chooser"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 14:18
S18	1	345/810.ccls. and ((color adj palette) same achromatic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 14:18
S17	1	345/810.ccls. and ((color adj palette) and achromatic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 14:18
S16	1	345/810.ccls. and ((color adj palette) same (web-safe or "web safe" or websafe))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 14:18
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S13	768	345/810.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 14:18
S12	233	345/763.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 14:18
S34	75	345/594.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 11:58

S33	228	345/601.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 11:57
S32	219	345/593.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 11:50
S31	5	rose-brian.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 11:50
S6	187	345/593.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 11:50
S5	5	rose-brian.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 11:50
S30	2	"5249263".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 11:45
S4	4	S1 and line	US-PGPUB; USPAT	OR	OFF	2004/08/30 10:10
S3	4	S1 and (line)	US-PGPUB; USPAT	OR	OFF	2004/08/30 10:10
S2	0	S1 and diagonal	US-PGPUB; USPAT	OR	OFF	2004/08/30 10:10
S1	6	(US-6226010-$ or US-5903255-$ or US-5872555-$ or US-5249263-$ or US-6081253-$).did. or (US-20040001072-$).did.	US-PGPUB; USPAT	OR	OFF	2004/08/30 10:10
S26	6	("4454593" | "4721951" | "4843599" | "5465104" | "5473738" | "5552805").PN.	USPAT	OR	OFF	2004/08/26 15:55
S25	10	("4896291" | "5103407" | "5123088" | "5254978" | "5311212" | "5487020" | "5506946" | "5552805" | "5579471" | "5627951").PN.	USPAT	OR	OFF	2004/08/26 15:54
S24	2	"5249263".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/26 13:48
S20	10	"345"/$.ccls. and "color guide"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/26 12:19

S11	2	345/589.ccls. and ((color adj palette) same (web-safe or "web safe" or websafe))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/26 11:45
S14	67	345/594.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/26 11:44
S10	6	345/589.ccls. and ((color adj palette) and achromatic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/26 11:44
S9	2	345/589.ccls. and ((color adj palette) and (web-safe or "web safe" or websafe))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/26 11:44
S8	2	345/589.ccls. and ((color adj palette) same achromatic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/26 11:44

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Applicant,Title of invention,Abstract — e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

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| web-safe | AND ▾ |

AND

| palette chart | OR ▾ |

AND

| color | AND ▾ |

AND

Date of publication of application — e.g.19980401 - 19980405

[＿＿＿＿＿] - [＿＿＿＿＿]

AND

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Number Search

Applicant,Title of invention,Abstract — e.g. computer semiconductor

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| group diagonal | AND ▼ |

AND

| palette chart | OR ▼ |

AND

| color | AND ▼ |

AND

Date of publication of application — e.g.19980401 - 19980405

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| value saturation hue | AND ▾ |

AND

| palette chart | OR ▾ |

AND

| color | AND ▾ |

AND

Date of publication of application — e.g.19980401 - 19980405

[   ] - [   ]

AND

IPC — e.g. D01B7/04 A01C11/02

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No.	Publication No.	Title
1.	2005 - 079834	METHOD FOR CALCULATING COLOR CONVERSION MATRIX AND IMAGE SIGNAL PROCESSING UNIT
2.	2005 - 045446	COLOR CONVERSION MATRIX CALCULATION METHOD AND COLOR CORRECTION METHOD
3.	2005 - 045438	COLOR CONVERSION MATRIX CALCULATION METHOD AND COLOR CORRECTION METHOD
4.	2001 - 076126	COLORING SUPPORT DEVICE AND COLORING SUPPORT METHOD
5.	2000 - 187368	IMAGE FORMING DEVICE CORRECTING CHARACTERISTICS BY PATCH CHART
6.	11 - 211569(1999)	CLASSIFICATION AND ARRANGEMENT METHOD OF METALLIC COATING COLORS
7.	11 - 094697(1999)	IMAGE INSPECTING METHOD, AND INSPECTING DEVICE USING THE SAME
8.	10 - 145614(1998)	IMAGE PROCESSING UNIT, IMAGE PROCESSING METHOD, AND COMPUTER READABLE MEMORY
9.	05 - 290133(1993)	COLOR IMAGE PROCESSOR
10.	62 - 180250(1987)	INSPECTING METHOD FOR COMPONENT PACKAGE SUBSTRATE

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1 **The measurement method of the color difference value and the standard chart for the color image scanning**

Inventor: HUANG YING-JIUN (TW); HUANG JR-WEN (TW)

Applicant: UMAX DATA SYSTEMS INC (TW)

EC:

IPC: H04N1/04

Publication info: TW424383 - 2001-03-01

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1 **COLOR PALETTE GENERATING AND REFERRING METHOD AND ITS DEVICE**

Inventor: MATSUOKA HIROKI

Applicant: SEIKO EPSON CORP

EC:

IPC: G09G5/06; G06T1/00; (+3)

Publication info: JP2001306055 - 2001-11-02

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1 Getting it off the screen and onto paper (panel session): current accomplishments and future goals
Gary W. Meyer, Ricardo J. Motta, Joann Taylor, Maureen C. Stone
August 1990 **ACM SIGGRAPH 90 Panel Proceedings**

Full text available: 📄 pdf(11.43 MB)   Additional Information: full citation, index terms

2 Color gamut mapping and the printing of digital color images
Maureen C. Stone, William B. Cowan, John C. Beatty
October 1988 **ACM Transactions on Graphics (TOG)**, Volume 7 Issue 4

Full text available: 📄 pdf(6.06 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Principles and techniques useful for calibrated color reproduction are defined. These results are derived from a project to take digital images designed on a variety of different color monitors and accurately reproduce them in a journal using digital offset printing. Most of the images printed were reproduced without access to the image as viewed in its original form; the color specification was derived entirely from calorimetric specification. The techniques described here are not specific ...

3 Color gamut transform pairs
Alvy Ray Smith
August 1978 **ACM SIGGRAPH Computer Graphics , Proceedings of the 5th annual conference on Computer graphics and interactive techniques**, Volume 12 Issue 3

Full text available: 📄 pdf(2.10 MB)   Additional Information: full citation, abstract, references, citings, index terms

Digital control of color television monitors—in particular, via frame buffers—has added precise control of a large subset of human colorspace to the capabilities of computer graphics. This subset is the gamut of colors spanned by the red, green, and blue (RGB) electron guns exciting their respective phosphors. It is called the RGB monitor gamut. Full-blown color theory is a quite complex subject involving physics, psychology, and physiology, but restrictio ...

Keywords: Brightness, Color, Color transform, Gamut, Hue, Luminance, NTSC, Saturation, Value

4 Status report of the graphic standards planning committee
Computer Graphics staff
August 1979 **ACM SIGGRAPH Computer Graphics**, Volume 13 Issue 3

Full text available: 📄 pdf(15.01 MB)   Additional Information: full citation, references, citings

5 Anti-aliasing in topological color spaces

Kenneth Turkowski

August 1986 **ACM SIGGRAPH Computer Graphics , Proceedings of the 13th annual conference on Computer graphics and interactive techniques**, Volume 20 Issue 4

Full text available: ▓ pdf(5.19 MB)   Additional Information: full citation, abstract, references, index terms

The power of a color space to perform well in interpolation problems such as anti-aliasing and smooth-shading is dependent on the topology of the color space as well as the number of elements it contains.We develop the *Major-minor* color space, which has a topology and representation that lends itself to simple anti-aliasing computations between elements of an arbitrary set of colors in an inexpensive frame store.

6 MEGA---the maximizing expected generalization algorithm for learning complex query concepts

Edward Chang, Beitao Li

October 2003 **ACM Transactions on Information Systems (TOIS)**, Volume 21 Issue 4

Full text available: ▓ pdf(1.34 MB)   Additional Information: full citation, abstract, references, citings, index terms

Specifying exact query concepts has become increasingly challenging to end-users. This is because many query concepts (e.g., those for looking up a multimedia object) can be hard to articulate, and articulation can be subjective. In this study, we propose a query-concept learner that learns query criteria through an intelligent sampling process. Our concept learner aims to fulfill two primary design objectives: (1) it has to be expressive in order to model most practical query concepts and (2) i ...

Keywords: Active learning, data mining, query concept, relevance feedback

7 Flash & color: Colorization using optimization

Anat Levin, Dani Lischinski, Yair Weiss

August 2004 **ACM Transactions on Graphics (TOG)**, Volume 23 Issue 3

Full text available: ▓ pdf(581.55 KB)   Additional Information: full citation, abstract, references, index terms

Colorization is a computer-assisted process of adding color to a monochrome image or movie. The process typically involves segmenting images into regions and tracking these regions across image sequences. Neither of these tasks can be performed reliably in practice; consequently, colorization requires considerable user intervention and remains a tedious, time-consuming, and expensive task.In this paper we present a simple colorization method that requires neither precise image segmentation, nor ...

Keywords: colorization, recoloring, segmentation

8 Video-based rendering: Video tooning

Jue Wang, Yingqing Xu, Heung-Yeung Shum, Michael F. Cohen

August 2004 **ACM Transactions on Graphics (TOG)**, Volume 23 Issue 3

Full text available: ▓ pdf(1.12 MB) ○ mov(19:44 MIN)   Additional Information: full citation, abstract, references

We describe a system for transforming an input video into a highly abstracted, spatio-temporally coherent cartoon animation with a range of styles. To achieve this, we treat video as a space-time volume of image data. We have developed an anisotropic kernel mean shift technique to segment the video data into contiguous volumes. These provide a simple cartoon style in themselves, but more importantly provide the capability to semi-automatically rotoscope semantically meaningful regions.In our sys ...

9 An experimental comparison of RGB, YIQ, LAB, HSV, and opponent color models

Michael W. Schwarz, William B. Cowan, John C. Beatty

The increasing availability of affordable color raster graphics displays has made it important to develop a better understanding of how color can be used effectively in an interactive environment. Most contemporary graphics displays offer a choice of some 16 million colors; the user's problem is to find the right color. Folklore has it that the RGB color space arising naturally from color display hardware is user-hostile and that other color models such as the HS ...

10 Animation: Unsupervised colorization of black-and-white cartoons

Daniel Sýkora, Jan Buriánek, Jiří Žára

We present a novel *color-by-example* technique which combines image segmentation, patch-based sampling and probabilistic reasoning. This method is able to automate colorization when new color information is applied on the already designed black-and-white cartoon. Our technique is especially suitable for cartoons digitized from classical celluloid films, which were originally produced by a paper or cel based method. In this case, the background is usually a static image and only the dynamic ...

Keywords: color-by-example, image analogies, image processing, image registration, image segmentation, patch-based sampling, probabilistic relaxation

11 Comparative analysis of the quantization of color spaces on the basis of the CIELAB color-difference formula

B. Hill, Th. Roger, F. W. Vorhagen

This article discusses the CIELAB color spave within the limits of optimal colors including the complete volume of object colors. A graphical representation of this color space is composed of planes of constant lightness L* with an net of lines parallel to the a* and b* axes. This uniform net is projected onto a number of other color spaces (CIE XYZ, tristimulus RGB, predistorted RGB, and YCC color space) to demonstrate and study the struct ...

Keywords: CIE XYZ, CIELAB, CIELAB color space, CIELUV, Cromalin, YCC, color difference perception, color quantization, color spaces, dye sublimation printer, match print, optimal colors

12 Hue-balls and lit-tensors for direct volume rendering of diffusion tensor fields

Gordon Kindlmann, David Weinstein

With the development of magnetic resonance imaging techniques for acquiring diffusion tensor data from biological tissue, visualization of tensor data has become a new research focus. The diffusion tensor describes the directional dependence of water molecules' diffusion and can be represented by a three-by-three symmetric matrix. Visualization of second-order tensor fields is difficult because the data values have many degrees of freedom. Existing visualization techniques are best at portr ...

13 Information access and retrieval: Color patterns for pictorial content description

Daniela Stan, Ishwar K. Sethi

Full text available: pdf(1.10 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

In this paper, we propose a new type of image feature, which consists of *patterns of colors and intensities that* capture the latent associations among images and primitive features in such a way that the noise and redundancy are minimized. Incorporating our feature model into a Content-based Image Retrieval (CBIR) system moves the research in image retrieval beyond simple matching of images based on their primitive features and creates a ground for learning image semantics from visual con ...

Keywords: annotation, clustering, color patterns, content-based image retrieval, latent semantic indexing

14 <u>Visualisation I: The 3D visualization of brain anatomy from diffusion-weighted magnetic resonance imaging data</u>

Burkhard C. Wünsche, Richard Lobb
June 2004 **Proceedings of the 2nd international conference on Computer graphics and interactive techniques in Australasia and Southe East Asia**

Full text available: pdf(660.21 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

A common problem in biomedical sciences is the in vivo identification and analysis of anatomical structures. This paper introduces several novel techniques to identify and visualize nerve fiber tracts and different tissue types using diffusion-weighted magnetic resonance imaging data. Barycentric color maps allow an integrated view of different types of diffusion anisotropy. Ellipsoid-based textures and Anisotropy Modulated Line Integral Convolution create images segmented by tissue type and inc ...

Keywords: biomedical visualization, brain anatomy, diffusion tensor imaging, nerve fiber tracking, tensor field visualization

15 <u>Visual image query</u>

Krešimir Matković, László Neumann, Johannes Siglaer, Martin Kompast, Werner Purgathofer
June 2002 **Proceedings of the 2nd international symposium on Smart graphics SMARTGRAPH '02**

Full text available: pdf(5.98 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

The explosion of storage media size and bandwidth has led to huge image databases. Methods are needed to find a particular image based on a crude description by the user. Keywording is not only tedious, but also subjective and therefore often incorrect. Available visual query systems have different properties, and are mostly based on some image transformation. An alternative visual query system is introduced, which finds an image similar to a user drawn sketch, or to any other reference image. A ...

Keywords: color layout query, digital image matching, human perception, image retrieval

16 <u>A frequency based ray tracer</u>

Mark R. Bolin, Gary W. Meyer
September 1995 **Proceedings of the 22nd annual conference on Computer graphics and interactive techniques**

Full text available: pdf(379.38 KB)
ps(6.74 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Keywords: DCT, JPEG, Monte Carlo, adaptive sampling, color, ray tracing, reconstruction, visual perception

17 <u>Region proximity in metric spaces and its use for approximate similarity search</u>

Giuseppe Amato, Fausto Rabitti, Pasquale Savino, Pavel Zezula

Full text available: ▦ pdf(1.01 MB) Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Similarity search structures for metric data typically bound object partitions by ball regions. Since regions can overlap, a relevant issue is to estimate the proximity of regions in order to predict the number of objects in the regions' intersection. This paper analyzes the problem using a probabilistic approach and provides a solution that effectively computes the proximity through realistic heuristics that only require small amounts of auxiliary data. An extensive simulation to validate the t ...

Keywords: Approximation algorithms, approximate similarity search, metric data, metric trees, performance evaluation

18 Content analysis: A mid-level representation framework for semantic sports video analysis

Ling-Yu Duan, Min Xu, Tat-Seng Chua, Qi Tian, Chang-Sheng Xu

Full text available: ▦ pdf(1.42 MB) Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Sports video has been widely studied due to its tremendous commercial potentials. Despite encouraging results from various specific sports games, it is almost impossible to extend a system for a new sports game because they usually employ different sets of low-level features appropriate for the specific games and closely coupled with the use of game specific rules to detect events or highlights. There is a lack of internal representation and structure to be generic and applicable for many differ ...

Keywords: events, mid-level representation, semantics, sports video

19 Visual information retrieval

Amarnath Gupta, Ramesh Jain

Full text available: ▦ pdf(676.39 KB) Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>, <u>review</u>

20 Theory of keyblock-based image retrieval

Full text available: ▦ pdf(2.14 MB) Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>, <u>review</u>

The success of text-based retrieval motivates us to investigate analogous techniques which can support the querying and browsing of image data. However, images differ significantly from text both syntactically and semantically in their mode of representing and expressing information. Thus, the generalization of information retrieval from the text domain to the image domain is non-trivial. This paper presents a framework for information retrieval in the image domain which supports content-based q ...

Keywords: clustering, codebook, content-based image retrieval, keyblock

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Terms used
hue value saturation color diagonal swatch palette chart

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¹ Flash & color: Colorization using optimization ▨
Anat Levin, Dani Lischinski, Yair Weiss
August 2004 **ACM Transactions on Graphics (TOG)**, Volume 23 Issue 3

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Colorization is a computer-assisted process of adding color to a monochrome image or movie. The process typically involves segmenting images into regions and tracking these regions across image sequences. Neither of these tasks can be performed reliably in practice; consequently, colorization requires considerable user intervention and remains a tedious, time-consuming, and expensive task.In this paper we present a simple colorization method that requires neither precise image segmentation, nor ...

Keywords: colorization, recoloring, segmentation

² Animation: Unsupervised colorization of black-and-white cartoons ▨
Daniel Sýkora, Jan Buriánek, Jiří Žára
June 2004 **Proceedings of the 3rd international symposium on Non-photorealistic animation and rendering**

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We present a novel *color-by-example* technique which combines image segmentation, patch-based sampling and probabilistic reasoning. This method is able to automate colorization when new color information is applied on the already designed black-and-white cartoon. Our technique is especially suitable for cartoons digitized from classical celluloid films, which were originally produced by a paper or cel based method. In this case, the background is usually a static image and only the dynamic ...

Keywords: color-by-example, image analogies, image processing, image registration, image segmentation, patch-based sampling, probabilistic relaxation

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John Tolva
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